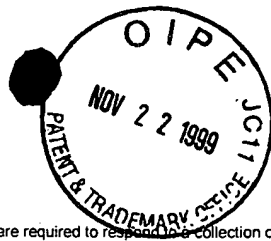


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		Application Number	09/247,406		
		Filing Date	February 10, 1999		
		First Named Inventor	Michael Caplan		
		Group Art Unit	4649 / 627		
Examiner Name					
Sheet	1	of	7	Attorney Docket Number	HS 105

OTHER ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
thw		ABBAS, et al., <u>Cellular and Molecular Immunology</u> (W.B. Saunders Co., Philadelphia, 1994).	
		BABAKHIN, et al., "Modified allergen immunotherapy: effect on Immunoglobulin E production," <i>Allergy Proc.</i> 16:195-202 (1995).	
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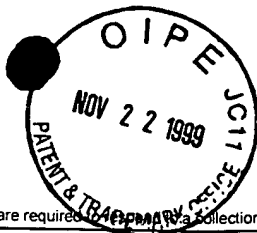
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Application Number	09/247,406
Filing Date	February 10, 1999
First Named Inventor	Michael Caplan
Group Art Unit	16437
Examiner Name	
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Sheet 2 of 7

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TBW		COLLEN, et al., "Recombinant Staphylokinase variants with altered immunoreactivity III: Species variability of antibody binding patterns," <i>Circulation</i> 95:455-462 (1997).	
		COLMAN, "Production of proteins in the milk of transgenic livestock: problems, solutions, and successes," <i>Am. J. Clin. Nutr.</i> 63(4): 639S-6455S (1996).	
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		ENCELL, et al., "Engineering human DNA alkyltransferases for gene therapy using random sequence mutagenesis," <i>Cancer Res.</i> 58(5):1013-20 (1998).	
✓		ESPANION & NIEMANN, "Methods of production and perspectives for use of transgenic domestic animals," <i>DTW Dtsch Tierarztl Wochenschr.</i> 103(8-9):320-8 (1996).	

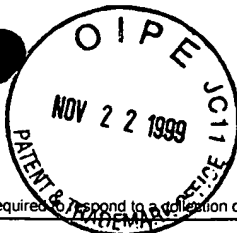
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/247,406
		Filing Date	February 10, 1999
		First Named Inventor	Michael Caplan
		Group Art Unit	1643 / 6 & 7
		Examiner Name	
Sheet 3 of 7	Attorney Docket Number	HS 105	

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TW		FERREIRA, et al., "Modulation of IgE reactivity of allergens by site-directed mutagenesis: potential use of hypoallergenic variants for immunotherapy," <i>FASEB J.</i> 12(2):231-42 (1998).	
		FUCHS & ASTWOOD, FUCHS, et al., "Ingredients for fat replacement," <i>Food Tech.</i> 51:82-87 (1997).	
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		JENNE, et al., "High resolution mapping of the B cell epitopes of staphylokinase in humans using negative selection of a phage-displayed antigen library," <i>J Immunol.</i> 161(6):3161-8 (1998).	
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		JOHNSTONE & THORPE, <i>Immunochemistry in Practice</i> , Third Edition (Blackwell Scientific Publications, Oxford, 1996)	
		KAWASAKI, et al., "Identification of three core regions essential for protein splicing of the yeast Vma1 protozyme. A random mutagenesis study of the entire Vma1-derived endonuclease sequence," <i>J Biol Chem.</i> 272(25):15668-74 (1997).	

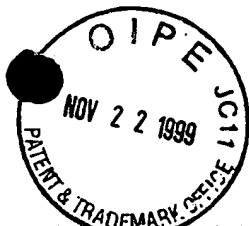
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		Application Number	09/247,406		
		Filing Date	February 10, 1999		
		First Named Inventor	Michael Caplan		
		Group Art Unit	16437		
Examiner Name					
Sheet	4	of	7	Attorney Docket Number	HS 105

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
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TW		KENNETT, et al., <u>Monoclonal Antibodies</u> (Plenum Press:New York, 1980).	
		KIM, et al., "An ovalbumin-IL-12 fusion protein is more effective than ovalbumin plus free recombinant IL-12 in inducing a T helper cell type 1-dominated immune response and inhibiting antigen-specific IgE production," <i>J Immunol.</i> 158(9):4137-44 (1997).	
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		<u>The 1995 Lab Manual Source Book</u> (Cold Spring Harbor Laboratory Press:NY, 1995).	

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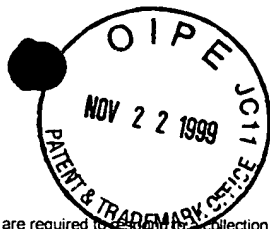
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		Filing Date	February 10, 1999		
		First Named Inventor	Michael Caplan		
		Group Art Unit	1643 1627		
		Examiner Name			
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tan		OKADA, et al. "Engineering of hypoallergenic mutants of the <i>Brassica</i> pollen allergen, Bra r 1, for immunotherapy," <i>FEBS Lett.</i> 434:255-260 (1998).	
		PARENT & DEVREOTES, "Isolation of inactive and G protein-resistant adenylyl cyclase mutants using random mutagenesis," <i>J Biol Chem.</i> 270(39):22693-6 (1995).	
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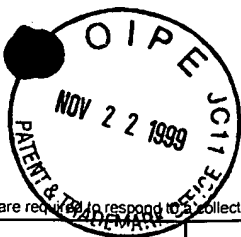
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Filing Date	February 10, 1999
First Named Inventor	Michael Caplan
Group Art Unit	1643 1627
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Attorney Docket Number	HS 105

Sheet 6 of 7

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tw		SCHUMACHER & MITCHELL, "Inhibition of murine reagenic antibody responses by nasal immunotherapy with modified allergen," <i>Int Arch Allergy Appl Immunol.</i> 62(4):382-8 1980.	
		SEHON, "The immunogenicity of recombinant proteins and of "magic bullets" represents the main obstacle for the effective <i>In Vivo</i> targeting of biologic response modifiers (BRMs)," <i>Targeting of Drugs</i> 4:59-65 (1994).	
		SMITH, et al., "Recombinant allergens for immunotherapy: A Der p 2 variant with reduced IgE reactivity retains T-cell epitopes," <i>J. Allergy Clin. Immunol.</i> 101:423-425 (1998).	
		SMITH, et al., "Site-directed mutagenesis of recombinant Der p 2 decreases <i>in vitro</i> and <i>in vivo</i> reactivity with IgE Ab," <i>Journal of Allergy and Clinical Immunology</i> 97:A187 (1996).	
		SODOYER, et al., "Full-scale 'naive' human antibody repertoires assembled from VH and VL variable regions," <i>Hum Antibodies.</i> 8(1):37-42 (1997).	
		STEINBERGER, et al., "Construction of a combinatorial IgE library from an allergic patient. Isolation and characterization of human IgE Fabs with specificity for the major timothy grass pollen allergen, Phl p 5," <i>J. Biol. Chem.</i> 271:10967-10982 (1996).	
		STEINBERGER, et al., "Allergen-specific IgE production of committed B cells from allergic patients <i>in vitro</i> ," <i>J Allergy Clin Immunol.</i> 96(2):209-18 (1995).	
		STEINBERGER, et al., "Expression in <i>Escherichia coli</i> of human IgE antibody fragments with specificity for major timothy grass pollen allergens using the combinatorial library approach," <i>Int Arch Allergy Immunol.</i> 113(1-3):258-9 (1997).	
		STEWART & STEENSGAARD, "Antibody Affinity: Thermodynamic Aspects and Biological Significance" (CRC Press, 1983).	
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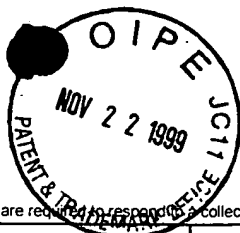
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First Named Inventor	Michael Caplan
Group Art Unit	1643 627
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Attorney Docket Number	HS 105

Sheet	7	of	7
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thw		TOMLINSON, et al., "The repertoire of human germline VH sequences reveals about fifty groups of VH segments with different hypervariable loops," <i>J Mol Biol.</i> 227(3):776-98 (1992).	
		UMETSU, et al., "Th1 and Th2 CD4+ Cells in the pathogenesis of allergic diseases," <i>Proc Soc Exp Biol Med.</i> 215(1):11-20 (1997).	
I		VALENTA, et al., "The immunoglobulin E-allergen interaction: a target for therapy of type I allergic diseases," <i>Int Arch Allergy Immunol.</i> 116(3):167-76 (1998).	
I		WADHWA, et al., "Production of neutralizing granulocyte-macrophage colony-stimulating factor (GM-CSF) antibodies in carcinoma patients following GM-CSF combination therapy," <i>Clin Exp Immunol.</i> 104(2):351-8 (1996).	
I		YASHUE, et al., "Hyposensitization to allergic reaction in rDer f 2-sensitized mice by the intranasal administration of a mutant of rDer f 2, C8/119S," <i>Clin. Exp. Immunol.</i> 113:1-9 (1998).	
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Examiner's Signature	T. Wessely	Date Considered	6/19/99
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